

101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210

Sandra.Wilbur@durhamnc.gov

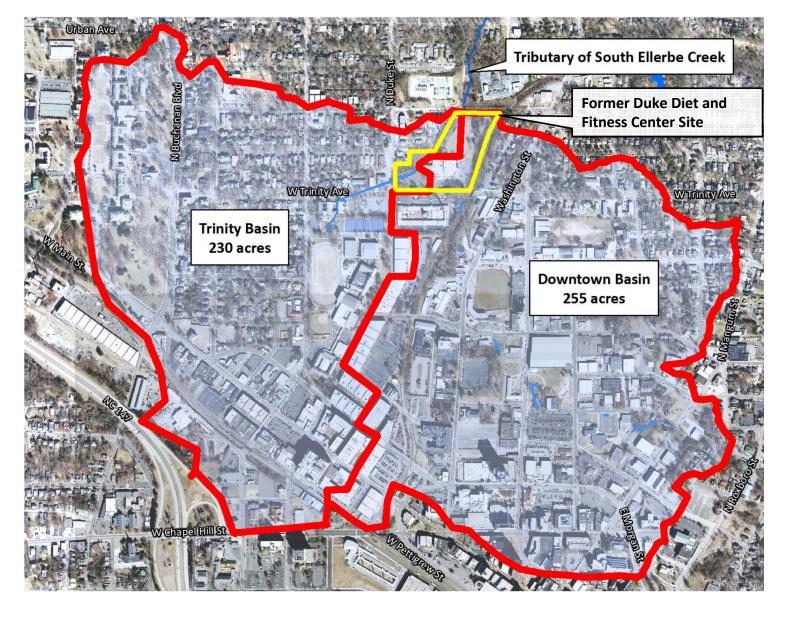


UPDATE for the Feasibility of a Stormwater Retrofit At Former Duke Diet and Fitness Center

November 20, 2012 Sandra Wilbur, PE and Paul Wiebke, PE



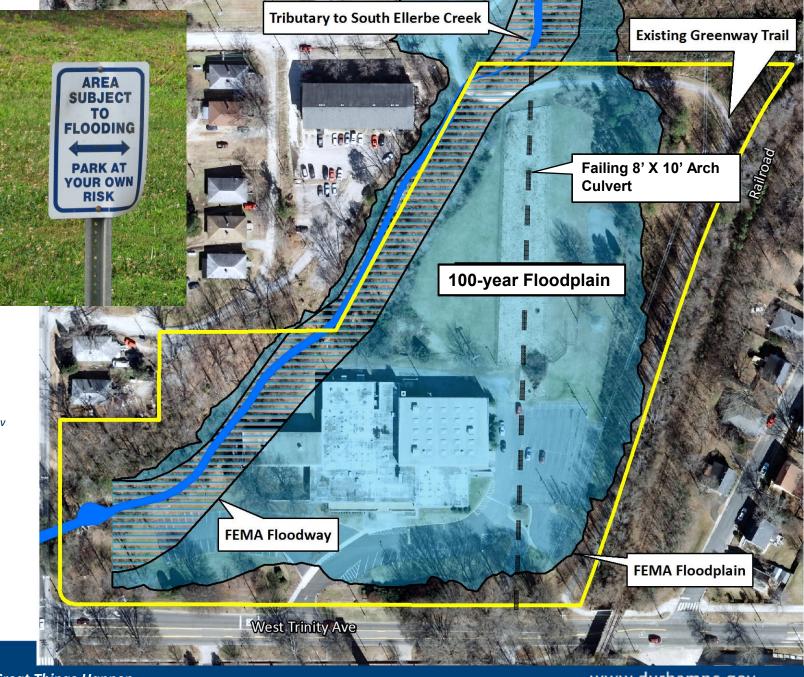
101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210



485 acres could be treated



101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210



Proposed Wetland and Potential Amenities













DURHAM CITY OF MEDICINE

Public Works Stormwater Services

101 CITY HALL PLAZA **DURHAM, NC 27701** P 919.560.4326 F 919.560.4210

Sandra.Wilbur@durhamnc.gov

Public Outreach

City sets 3 wetland sessions

Durham residents inter-Duke Diet and Fitness Center should plan to attend feedback.

The public is encouraged to attend any of the following public meetings to ask questions and learn more

given at the beginning of and greenway trail. each meeting:

■ Tuesday, June 26 at 7 Durham Neighborhood Im- land. provement Services Deference Room, 807 E. Main deep pool areas with a varitaine@DurhamNC.gov.

■ Thursday, July 12 at ested in the proposed South 6:30 p.m. - Durham City Ellerbe Creek wetland con- Hall, Second Floor Com- out of the stormwater runcept plan at the former mittee Room, 101 City Hall off that accumulates from

■ Tuesday, August 7 at 7 town Durham. one of several public infor- p.m. - North Regional Limation meetings to provide brary Meeting Room, 221 Milton Road

Wetland Concept Plan proposes changing the former for recreational and educa-Duke Diet and Fitness Cenabout the proposed concept ter site into a constructed wetland, which is located to attend the public infor-A presentation will be along the creek tributary mation meetings are en-

es redirecting the tributary website at http://www.Durp.m. - InterNeighborhood of South Ellerbe Creek into Council Meeting, City of a newly constructed wet-

The proposed wetland partment, Golden Belt would include a shallow

ety of native vegetation.

The proposed construction would filter pollution the 485-acre area of down-

The proposed plan will improve the vegetation and habitat conditions in the The City's South Ellerbe creek as well as add amenities such as seating areas tional purposes.

Residents who are unable couraged to view the con-The concept plan propos- cept plan on the project hamNC.gov/Stormwater.

Residents may submit comments to Sandra Wilbur at Sandra.Wilbur@DurhamNC.gov or Lance Fon-Building 2, 3rd Floor Con- marsh, deep marsh, and taine at Lance. Fon-



CITY OF DURHAM Office of Public Affairs 101 CITY HALL PLAZA DURHAM, NC 27701

News Media Contact:

Amy Blalock Sr. Public Affairs Specialist (919) 560-4123 x 11253 (919) 475-7735 (cell) Amy.Blalock@DurhamNC.go

Like: http://Facebook.com/CityofDurhamNC

Follow: http://Twitter.com/CityofDurhamNC

News Release

For Immediate Release: June 13, 2012

Public Input Sought on Durham's South Ellerbe Wetland Concept Plan

Public Meetings Set to Discuss Proposed Stormwater Wetland at Former Duke Diet and Fitness Center

DURHAM, N.C. — Durham residents interested in the proposed South Ellerbe Creek wetland concept plan at the former Duke Diet and Fitness Center should plan to attend one of several public information meetings to provide feedback.

The public is encouraged to attend any of the following public meetings to ask questions and learn more about the proposed concept plan. A presentation will be given at the beginning of each meeting:

- Tuesday, June 26 at 7 p.m. InterNeighborhood Council Meeting, City of Durham Neighborhood Improvement Services Department, Golden Belt Building 2, 3rd Floor Conference Room, 807 E. Main St., Durham
- Thursday, July 12 at 6:30 p.m. Durham City Hall, Second Floor Committee Room, 101 City Hall Plaza, Durham
- Tuesday, August 7 at 7 p.m. North Regional Library Meeting Room, 221 Milton Rd., Durham

The City's South Ellerbe Wetland Concept Plan proposes changing the former Duke Diet and Fitness Center site into a constructed wetland, which is located along the creek tributary and greenway trail. The concept plan proposes redirecting the tributary of South Ellerbe Creek into a newly constructed wetland. The proposed wetland would include a shallow marsh, deep marsh, and deep pool areas with a variety of native vegetation.

Public Outreach



Public Works Stormwater Services

101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210



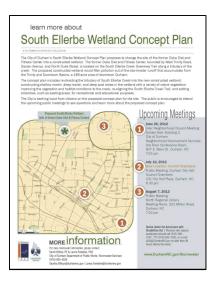
Public Outreach Materials

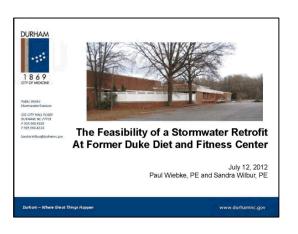


Public Works Stormwater Services

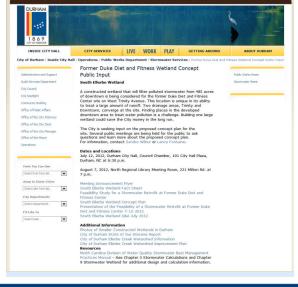
101 CITY HALL PLAZA **DURHAM, NC 27701** P 919.560.4326 F 919.560.4210

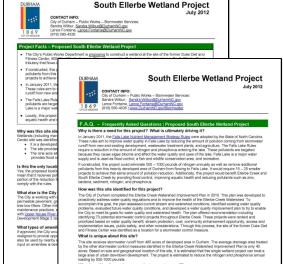
Sandra.Wilbur@durhamnc.gov











It is a natural low-point where stormwater runoff collects from the City's drainage system. The property is located in the 100-year floodplain and partially in the floodplay these buildings or fill are not normally allowed. The property's location within the floodplain presents a financial and flooding risk for any structural development on-site. Who currently owns the site? What is the proposed project and how will it work?

Why does this site receive so much stormwater runoff?

The proposed project is a constructed wetland. Constructed wetlands are built to mimio the functions of natural wetlands. As stormwater flows through the site, wetland microbes, plants, and soil filter pollutants and trest the water through natural ecological processes. Is a constructed wetland similar to a wet pond?

There are similarities as both devices are designed to treat stormwater runoff to remove pollutants. The most obvious difference is that wet ponds usually have a single large, open pool of water, but constructed wetlands have many

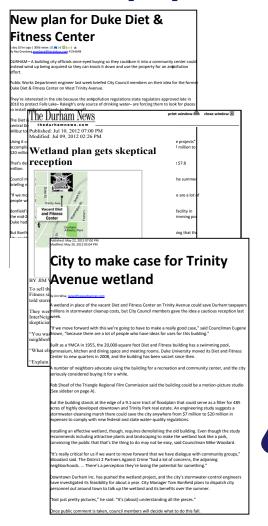




101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210

Sandra.Wilbur@durhamnc.gov

Newspaper



Emails

"Dear Ms. Wilbur, I would like to endorse the concept for the wetlands."

> "I hope you'll continue to educate the residents and that the project will move forward."





Public Outreach Process

Most Common Issues:

Public Works Stormwater Services

101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210

- 1. What other uses is the City considering for the site?
- 2. Can the building be saved?
- 3. What community amenities will be provided in the design?

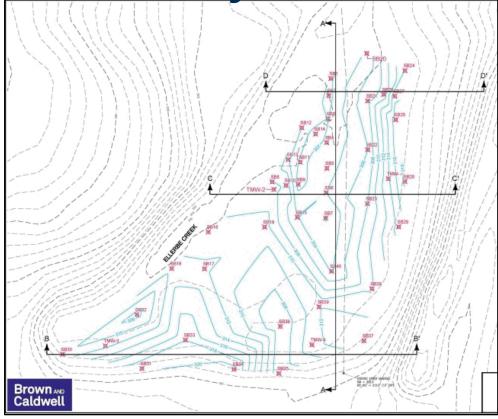


101 CITY HALL PLAZA DURHAM, NC 27701 P 919.560.4326 F 919.560.4210

Sandra.Wilbur@durhamnc.gov

Project Feasibility UPDATES

boring
results
indicate
depth of
bedrock is
adequate



 Pre-Application meeting with USACE and NCDENR did not raise any red flags



US Army Corps of Engineers

